

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF KENTUCKY-)	CASE NO.
AMERICAN WATER COMPANY FOR AN)	2021-00434
ALTERNATIVE RATE ADJUSTMENT)	

ORDER

On January 7, 2022, the Commission issued Commission Staff's First Request for Information (Staff's First Request) to Kentucky-American Water Company. Staff's First Request inadvertently failed to include the *O&M Guide for the Support of Rural Water-Wastewater Systems by the Commission for Rural Water, Chicago, Illinois, 1974, Table 44, Average Service Lifetimes, Major Systems Components, Wastewater systems at 246-247 (Commission for Rural Water O&M Guide)* as the Appendix referenced in Item No. 16.

Finding that Staff's First Request issued on January 7, 2022, should be amended, the Commission HEREBY ORDERS, *nunc pro tunc*, that:

1. The *Commission for Rural Water O&M Guide* referenced in Staff's First Request, Item No. 16, is hereby included as an Appendix to Staff's First Request.
2. All other provisions of Staff's First Request that are not in conflict with the terms of this Order shall remain in effect.

By the Commission



ATTEST:

A handwritten signature in blue ink that reads "Linda B. Bidwell". The signature is written in a cursive style and is positioned above a horizontal line.

Executive Director

Case No. 2021-00434

APPENDIX

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE COMMISSION IN CASE NO. 2021-00434 DATED JAN 21 2022

Table 44
Average Service Lifetimes, Major Systems Components
Wastewater Systems

		Average Service Life Range		Mid-Point Service Life
<u>Septic Tank-Soil Absorption:</u>				
	Septic Tank	20	50	35.0
	Soil Absorptions System	50	30	40.0
<u>Home Aerobic Tanks</u>				
	Tank	20	50	35.0
	Mechanical Components	3	10	6.5
<u>Collection Systems</u>				
	Gravity Sewers, Clay, Cement	25	50	37.5
	Gravity Sewers, Cast Iron	30	75	52.5
	Gravity Sewers, Plastic	30	75	52.5
	Manholes, Structures	20	50	35.0
	Lift Station, Structures	20	50	35.0
	Lift Station, Pumps, etc.	7	7	7.0
	Pressure Sewers, Plastic, Small Diameter	5	10	7.5
	Small (Household) Sewerage Pumps	5	10	7.5
	Pressure Mains-Same as Gravity Sewers			
<u>Treatment System</u>				
	<u>Primary</u>			
	Comminutors	5	5	5.0
	Screens	10	10	10.0
	Clarifier Tanks, Concrete	20	20	20.0
	Clarifier Tanks, Metal	20	20	20.0
	Grit and Sludge Handling Equipment	5	10	7.5
	<u>Secondary</u>			
	Lagoons	5	25	15.0
	Extended Aeration Tankage, Concrete	20	50	35.0
	Extended Aeration Tankage, Metal	20	30	25.0
	Aerator Compressors	5	10	7.5
	Air Diffusers	3	3	3.0
	Sludge Pumps	5	10	7.5
	Clarifier Tankage, Concrete	20	50	35.0
	Clarifier Tankage, Metal	20	30	25.0
	Chlorinators	10	10	10.0
	Sludge Digesters - Same as Aeration Tanks			
	<u>Advanced Wastewater Treatment</u>			
	Sand Filters	5	10	7.5
	<u>Sludge Disposal Equipment</u>			
	Drying Beds	5	15	10.0
	Incinerators			
	Dewatering Devices			
	<u>Effluent Disposal</u>			
	Irrigation Pumps	5	10	7.5
	Sprinkler Heads	2	5	3.5
<u>General Use Equipment</u>				
	Laboratory Instrumentation	3	10	6.5
	Service Vehicles	3	5	4.0
	Pumper/Tank Trucks	5	10	7.5
	Automatic Controls	5	20	12.5

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